Chronic Disease Indicators: Indicator Definition



Pneumococcal vaccination among adults aged >= 65 years

Category: Other Diseases and Risk Factors

Demographic Group: Resident persons aged >=65 years.

Numerator: Respondents aged >=65 years who report ever having received a pneumococcal vaccination.

Denominator: Respondents aged >=65 years who report having or not ever having received a pneumococcal

vaccination (exclude unknowns and refusals).

Measures of Frequency: Annual prevalence — crude and age-adjusted (standardized by the direct method to the year

2000 standard U.S. population, master list) — with 95% confidence interval.

Time Period of Case

Definition:

Ever vaccinated.

Background: Although vaccination rates have been increasing, in 2003, only 64% of adults aged >=65 years were

ever vaccinated against pneumococcal disease. In 2003, >3300 adults aged >=65 years died from

bacteremic pneumococcal pneumonia or other forms of invasive pneumococcal disease.

Significance: Ever having received a pneumococcal vaccination might prevent or attenuate the clinical course of

serious or invasive illness attributable to Streptococcus pneumoniae. With the aging of the population,

increasing numbers of adults will be at risk for these diseases and their complications.

Limitations of Indicator: Respondents might not distinguish between influenza and pneumococcal (Streptococcus

pneumoniae) vaccinations. The reliability and validity of this measure is unknown. Indicator does not measure vaccination rates among other populations at high risk, including persons with chronic

illness who should also be vaccinated.

Data Resources: Behavioral Risk Factor Surveillance System (BRFSS).

http://apps.nccd.cdc.gov/brfss/

Limitations of Data

Resources:

As with all self-reported sample surveys, BRFSS data might be subject to systematic error resulting

from noncoverage (e.g., lower telephone coverage among populations of low socioeconomic status),

nonresponse (e.g., refusal to participate in the survey or to answer specific questions), or

measurement (e.g., social desirability or recall bias).

Healthy People 2010

Objectives:

14-29: Increase the proportion of adults (noninstitutionalized adults aged >=65 years) who are

vaccinated annually against influenza and are ever vaccinated against pneumococcal disease.

(14-29b is specific for pneumococcal vaccine.)